



Date: April 14, 2006

To: John Galayda

From: Steve Peggs

Subject: **Charge to LARPAC for the May 10-12 2006 review**

LARP has developed from initial funding of \$0.3M, \$1.3M and \$3.3M in FY03, 04 and 05 to full funding of \$11M in FY06 and (expected) in FY07. The primary goals for the next 2 or 3 years are well defined:

1. Demonstrate a long strong Nb<sub>3</sub>Sn model quadrupole magnet by 2009
2. Install and commission luminosity monitoring and tune feedback beam instrumentation systems in time for first beam
3. Participate in beam commissioning, and in the pre-beam commissioning of generic and U.S. built magnet and cryogenic systems

Secondary and longer term “tasks”, mainly in the Accelerator Systems side of LARP, are also defined. Potential new tasks for FY07 and beyond will be introduced, discussed and tentatively prioritized at the April LARP collaboration meeting.

In this context, your committee is asked to review:

1. Strategic goals
  - Potential diversification of Magnet R&D beyond the 09 “technology demonstration” goal
  - Cohesiveness of the Accelerator Systems program
  - Potential new tasks and partnerships
2. Program execution
  - Progress of the Magnet R&D and Accelerator Systems programs
  - Are milestones sufficiently well defined?
3. Management issues
  - Ensuring excellence in beam commissioning
  - Documentation of mutual understandings between LARP and CERN, and within LARP.

The committee is also given latitude to pursue, and to offer comments and recommendations on, any other items which it deems important to the success of the program.

I request that the committee forward to me a concise report responding to this charge by June 9 2006 – just before the next DOE review.